

EXHIBIT A



INSTITUTE OF MOLECULAR AGROBIOLOGY

BOOK NO.

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SUBJECT

(1)

DATE

PROJECT OR SANCTION NO.

1. Excise petioles from 5 to 6 weeks old cotton plant *Gossypium hirsutum* growing at green house.
2. Sterilization: All petioles of leaf were soaked in 70% ethanol solution for 20 min followed by washing with sterile distilled water.
3. Sterile petioles were preincubated on medium 9 for 2 days.
4. *Agrobacterium tumefaciens* strain LBA4404 (pRi122/GFP) which was provided by Mr. Xujian.
A single colony from selection plate was inoculated in 10 ml tubes containing 10 ml LB medium (liquid) with enough suspension.

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SUBJECT

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PROJECT OR SANCTION NO.

1. Cocultivation of *ratios* and *hypocotyl* (or) with Agrobacterium LBA 282 containing $\frac{PBI}{GFP}$.

① The ~~transformation~~ cultures were shifted using liquid MC medium to ODE-3

② The 3rd segments of *P. bicipes* and 9th segments of *Hypocentrus* were soaked in the bractonum suspension for 5 minutes then transferred into the concentrated medium called filter paper and covered at incubator 29°C. for 48 hours

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The soaked seeds ^{cell} were moved and nuclei
of the seeds were cultured in 1/2 MS medium
total 10 boxes each box containing
1000 medium and 5 seeds.

embryoids were observed in calli of
petioles.



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SUBJECT

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the whole of segment of young stem
and the segment of petiole and 100
segments of young leaf separately were
soaked in the bacterial suspension
(OD = 3) for 1 min then transferring
onto the cocultured medium coated 1/6
petiole and cocultured at incubator 24°C
for 48 hours.

Total young stem segments 10 dishes
petiole segments 10 dishes
young leaves segments 9 dishes

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Gang

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Alan Thixson

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SUBJECT _____

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1. ~~Preparation of callus from~~ ~~of~~ initiation.
with GA₃; 10⁻⁷ + NAA; 24h + 6 BA.
was suspension cultures total 6 flasks.

2. Observing callus initiation.
The small callus from ~~squid~~ of young
stem (2/5) initiate faster than the
callus from ~~squid~~ of 10/50/8.

3. Preparation of initiation and selection
medium callus.

4. L. Ser. 001554 pp.

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Ernest

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Shen 7/1/81

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Transferring transgenic GFP explants
 onto selected and initiated medium

1. leaf & disks	= 64 explants
2. petiole of cotyledon	
3. petiole of leaf	29 disks = 232 explants
4. young stem	33 disks = 264 explants

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Griff

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Don 2X

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~~Transferring G12 potato callus (CK)~~
~~Suspension culture to new differentiation~~
~~medium from 6 bottles. Suspension cultures~~
~~to 12 bottles and some sub~~
~~and embryogenic callus are in suspension~~
~~cultures. (take picture).~~

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Gandy

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John Z. X.

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Continuing subculture of P cells from
petiole to 48 dishes each containing
a different medium.

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Preparation of initiation differentiation
medium 23. 4 L.
9 2 L. 500.
400 ml of 10x MS stock solution.
Add 759 KNO₃. 39 mg Ca₂ Cl₂.
89 mg phyto. 96.
pH 5.8 autoclaving at 121°C
for 25 min.

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Preparation of liquid diffusion medium
 4 flasks
 2 flasks of GFP suspension cultures to
 suspension cultures
 Preparation of leaf 3 flask
 Polio of Colletotrichum 2 flask
 Hypocotyl 4 flask
 for subculture

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George

John 2

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Testing expression of GFP in
 embryos and plants of
 cotton. (from protein)
 many many different date up root
 stage embryos have expression of
 GFP and got 3 plants with
 GFP expression

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Zhang

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Ken Z-X

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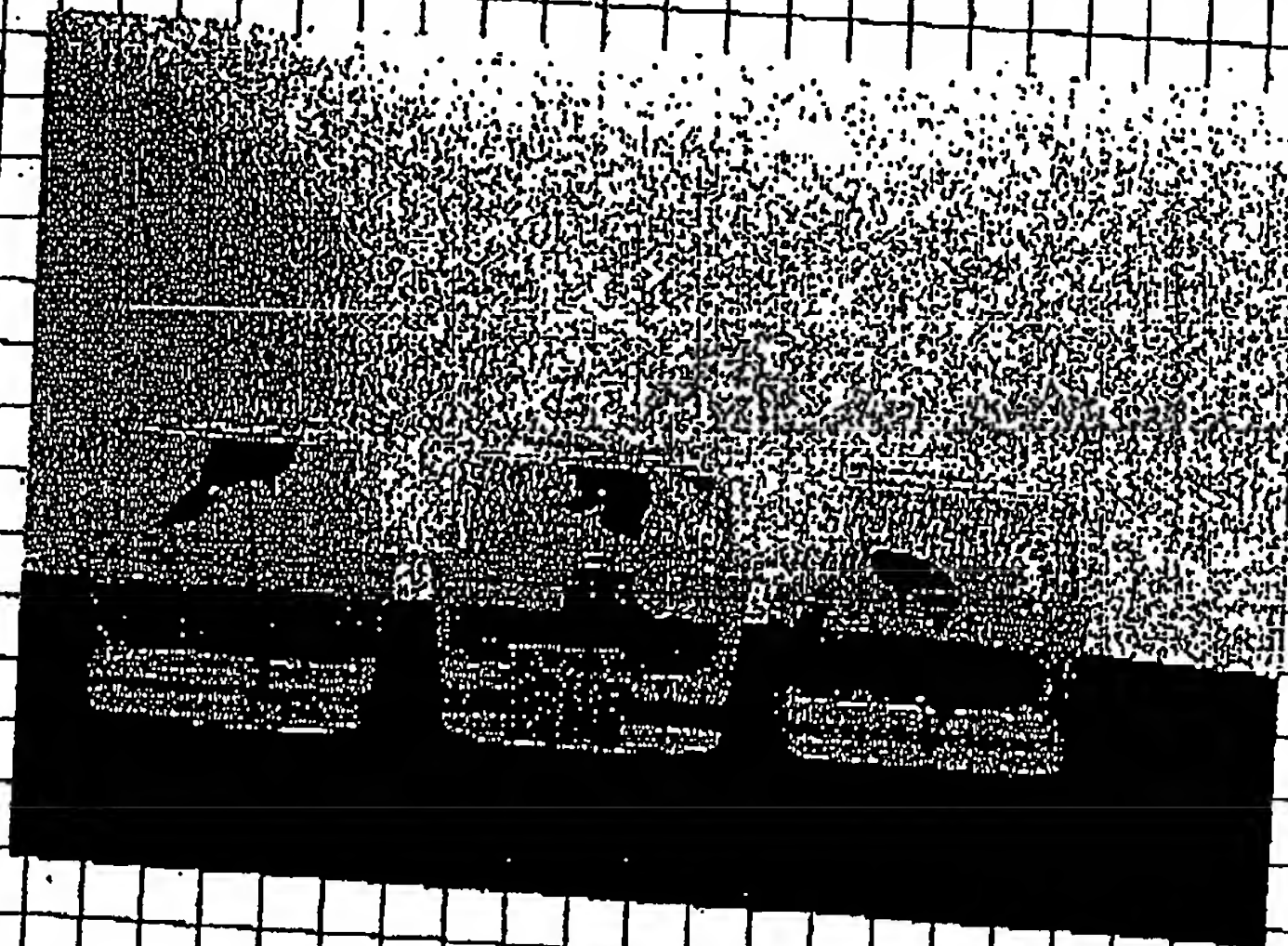
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SUBJECT

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Transferring plasmids transformed
of p. to SRV medium total 8 dishes



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Zhang Binyang

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~~Transferring GFP plants to pots~~
with soil

NO. 1 GFP ^{roots} ~~transferring~~

NO. 2 GFP ~~transferring~~

NO. 3 GFP ~~transferring~~

CK. NO GFP expression

Trans coffee with GFP to

new medium



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Zhang

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